Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method for authorizing offloading of a grid job in a grid computing system, the method comprising:

submitting a grid job to a primary grid resource, by a user data processing system;

responsive to a determination by the primary grid resource to offload the grid job, ~~certificate request from the primary grid resource,~~ identifying a secondary grid resource that is to run the grid job;

responsive to identifying the secondary grid resource, generating a certificate request;

sending the certificate request to the user data processing system;

responsive to receiving the certificate request by the user data processing system, performing authorization with the secondary grid resource; and

[[if]] responsive to authorization with the second grid resource [[fails]] failing, generating an invalid proxy certificate and sending the invalid proxy certificate to the primary grid resource.

2.   (Currently Amended) The method of claim 1, further comprising:

[[if]] responsive to authorization with the second grid resource [[fails]] succeeding, generating a valid proxy certificate; and

sending the valid proxy certificate to the primary grid resource.

3.   (Original) The method of claim 1, wherein submitting a grid job to a primary grid resource includes submitting the grid job to a grid scheduler,

wherein the grid scheduler selects a primary grid resource and sends the grid job to the primary grid resource.

4.   (Currently Amended) The method of claim 1, wherein identifying a secondary grid resource that is to run the grid job includes submitting a query grid job to the primary grid resource inquiring about an identity of the secondary grid resource.

5.   (Original) The method of claim 1, wherein identifying a secondary grid resource that is to run the grid job includes detecting an address of the secondary grid resource in the certificate request.

6.   (Original) The method of claim 1, wherein performing authorization with the secondary grid resource includes submitting an authorization job to the secondary grid resource.

7.   (Currently Amended) The method of claim 6, wherein the authorization job identifies security elements of the secondary grid resource.

8.   (Currently Amended) The method of claim 6, wherein the authorization job determines at least one of an operating system of the secondary grid resource, security updates installed on the secondary grid resource, whether the secondary grid resource has a trusted operating system, whether any conflicting grid jobs are running on the secondary grid resource.

9.   (Original) The method of claim 6, wherein the authorization job determines whether a given command is disabled on the secondary grid resource.

10.   (Original) The method of claim 1, wherein performing authorization with the secondary grid resource includes
        determining whether the secondary grid resource is included in a black list.

11.   (Original) The method of claim 1, wherein performing authorization with the secondary grid resource includes
        determining whether the secondary grid resource is included in a white list.

12.   (Original) The method of claim 1, wherein performing authorization with the secondary grid resource includes
        performing authorization with the secondary grid resource using one or more rules.

13.–20. (Canceled)

21.   (New) A method for authorizing offloading of a grid job in a grid computing system, the method comprising:
        submitting a grid job to a primary grid resource, by a user data processing system;
        responsive to a determination by the primary grid resource to offload the grid job, identifying a secondary grid resource that is to run the grid job;
        responsive to identifying the secondary grid resource, generating a certificate request;

sending the certificate request to the user data processing system;

responsive to receiving the certificate request by the user data processing system, performing authorization with the secondary grid resource;

responsive to authorization with the second grid resource failing, generating an invalid proxy certificate, forming a generated certificate;

responsive to authorization with the second grid resource succeeding, generating a valid proxy certificate, forming a generated certificate;

sending, by the user data processing system, the generated certificate to the primary grid resource;

sending the generated certificate by the primary grid resource to the secondary grid resource;

responsive to a determination, by the secondary grid resource, that the generated certificate is a valid proxy certificate, performing the grid job by the secondary grid resource;

responsive to a determination, by the secondary grid resource, that the generated certificate is an invalid proxy certificate, refusing the grid job by the secondary grid resource; and

responsive to the secondary grid resource refusing the grid job, identifying another secondary grid resource that is to run the grid job.